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(54) Expandable stent forming projecting barbs and method for deploying

(57) An intraluminal stent for implanting in a body lumen in which a plurality of connecting members are deformed radially outwardly to form projecting barbs for attaching the stent to a body lumen. The stent has a first,

unexpanded low profile diameter for intraluminal delivery, and a second, larger expanded diameter for implanting in a body lumen in which projecting barbs are formed and which penetrate the body lumen to assist in attaching the stent to the walls of the body lumen.

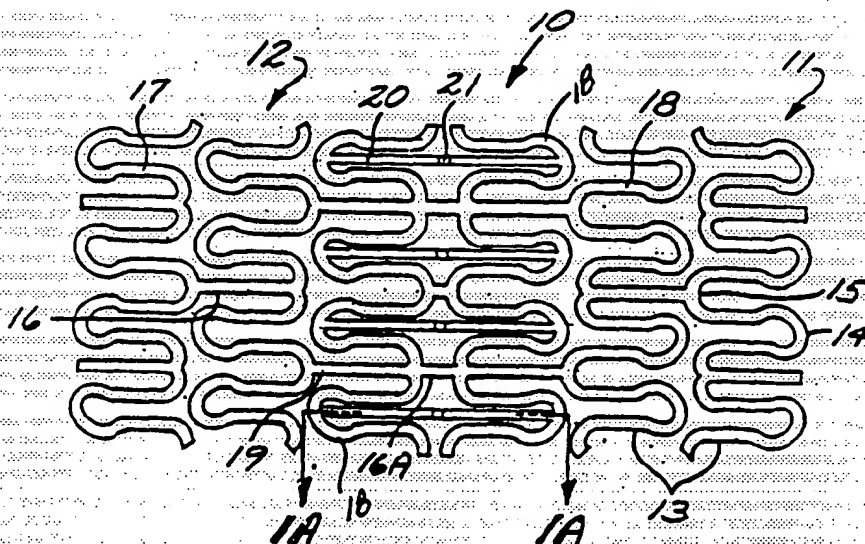


FIG. 1



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PARTIAL EUROPEAN SEARCH REPORT

Application Number

which under Rule 45 of the European Patent Convention shall be considered, for the purposes of subsequent proceedings, as the European search report

EP 96 30 1731

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Y	EP-A-0 540 290 (ADVANCED CARDIOVASCULAR SYSTEMS, INC.) * the whole document *	1-3, 5-13, 17	A61F2/06
Y	EP-A-0 579 523 (CELSA LG) * the whole document *	1-3, 5-13, 17	
Y	EP-A-0 621 016 (C.R. BARD, INC.) * figures 2, 6-8, 10, 13 *	3, 17	
Y	DE-A-43 03 181 (ANGIOMED) * column 3, line 39 - line 48; figures 3, 4 *	11, 12	
A	EP-A-0 335 341 (EXPANDABLE GRAFTS PARTNERSHIP) * column 15, line 58 - column 16, line 51; figures 7, 9, 10 *	14	
A	GB-A-1 205 743 (NATIONAL RESEARCH DEVELOPMENT CORPORATION) * page 2, line 43 - line 77; figure 6 *	15	
			TECHNICAL FIELDS SEARCHED (Int.Cl.6)
			A61F

INCOMPLETE SEARCH

The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims

Claims searched completely:

Claims searched incompletely:

Claims not searched:

Reason for the limitation of the search:

see sheet C

EPO FORM 1503 01.92 (P04.007)

Place of search	Date of completion of the search	Examiner
THE HAGUE	9 December 1996	Wolf, C
CATEGORY OF CITED DOCUMENTS		
<p>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document</p>		
<p>T: theory or principle underlying the invention E: earlier patent document, but published on, or after, the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document</p>		



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Claims searched completely: 1-17

Claims searched incompletely:

Claims not searched: 18-20

Reason for the limitation of the search:

Method for treatment of the human body by surgery Article 52(4) EPC



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EP 96 30 1731

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
A	WO-A-92 06734 (H.Y. SONG) * abstract * * page 6, line 25 - page 7, line 5 *	1,5	
A	EP-A-0 462 008 (ANTHEOR) * page 5, line 11 - line 32; figures *	3,15,17	
A	US-A-4 650 466 (R.B. LUTHER) * abstract; figures *	15	
D,A	US-A-5 219 355 (J.C. PARODI ET AL.)		
P,X	US-A-5 397 355 (M.L. MARIN ET AL.) * the whole document *	1,2, 5-10,13	